

	A	B	C	D	E	F	G	H	I	J	K	L
1	User Selected Options			Nonparametric Background Statistics for Data Sets with Non-Detects								
2												
3				Date/Time of Computation			8/2/2013 12:02:07 PM					
4				From File			WorkSheet.xls					
5				Full Precision			OFF					
6	Confidence Coefficient			95%								
7	Coverage			95%								
8	rent or Future K Observations			1								
9												
10	Aroclor											
11												
12	General Statistics											
13	Total Number of Observations				61		Number of Distinct Observations				48	
14	Number of Detects				18		Number of Non-Detects				43	
15	Number of Distinct Detects				17		Number of Distinct Non-Detects				31	
16	Minimum Detect				4.95		Minimum Non-Detect				1.3	
17	Maximum Detect				16.18		Maximum Non-Detect				13	
18	Variance Detected				10.21		Percent Non-Detects				70.49%	
19	Mean Detected				8.466		SD Detected				3.195	
20	Mean of Detected Logged Data				2.078		SD of Detected Logged Data				0.34	
21												
22	Critical Values for Background Threshold Values (BTVs)											
23	Tolerance Factor K (For UTL)				2.013		d2max (for USL)				3.033	
24												
25	Nonparametric Distribution Free Background Statistics											
26	Data appear to follow a Discernible Distribution at 5% Significance Level											
27												
28	Kaplan Meier (KM) Background Statistics Assuming Normal Distribution											
29	Mean				3.986		SD				3.757	
30	95% UTL95% Coverage				11.55		95% KM UPL (t)				10.31	
31	95% KM Chebyshev UPL				20.5		90% KM Percentile (z)				8.801	
32	95% KM Percentile (z)				10.17		99% KM Percentile (z)				12.73	
33	95% KM USL				15.38							
34												
35	Nonparametric Uppper Limits for BTVs(no distinction made between detects and nondetects)											
36	Order of Statistic, r				60		95% UTL with95% Coverage				13.7	
37	Approximate f				1.579		Confidence Coefficient (CC) achieved by UTL				0.816	
38	95% UPL				13.45		95% USL				16.18	
39	95% KM Chebyshev UPL				20.5							
40												
41	Note: The use of USL to estimate a BTV is recommended only when the data set represents a background											
42	data set free of outliers and consists of observations collected from clean unimpacted locations.											
43	The use of USL tends to provide a balance between false positives and false negatives provided the data											
44	represents a background data set and when many onsite observations need to be compared with the BTV.											
45												